## PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHO	ORITY				
To: IRVING N. FEIT HOFFMANN & BARON, LLP 6900 JERICHO TURNPIKE SYOSSET, NY 11791		PCT			
		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
			(PCT Rule 43bis.1)		
		Date of mailing (day/month/year)	<b>31</b> AUG 2006		
Applicant's or agent's file reference		FOR FURTHER	ACTION See paragraph 2 below		
1038-12 PCT International application No.	International filing date	(day/month/year)	Priority date (day/month/year)		
	22 March 2005 (22.03.2	2005)	22 March 2004 (22.03.2004)		
International Patent Classification (IPC) of	r both national classifica	tion and IPC			
IPC: <b>H01L 31/0224</b> ( 2006.01); <b>H01L</b> USPC: 250/214.1,214R;257/184,189,44		)			
Applicant			·		
RESEARCH FOUNDATION OF THE C	ITY UNIVERSITY OF	NEW			
1. This opinion contains indications related	ting to the following iten	ns:			
Box No. I Basis of the o	Box No. I Basis of the opinion				
Box No. II Priority	Priority				
Box No. III Non-establish	nment of opinion with re	gard to novelty, inve	entive step and industrial applicability		
Box No. IV Lack of unity	of invention				
. —	tement under Rule 43bis citations and explanation		o novelty, inventive step or industrial catement		
Box No. VI Certain docui	ments cited				
Box No. VII Certain defec	ts in the international ap	plication			
Box No. VIII Certain obser	vations on the internatio	nal application			
2. FURTHER ACTION					
International Preliminary Examining	Authority ("IPEA") ex e IPEA and the chosen I	cept that this does PEA has notified the	be considered to be a written opinion of the not apply where the applicant chooses an e International Bureau under Rule 66.1bis(b) ered.		
If this opinion is, as provided above, IPEA a written reply together, wher mailing of Form PCT/ISA/220 or before For further options, see Form PCT/IS.	e appropriate, with amore the expiration of 22 r	endments, before th	EA, the applicant is invited to submit to the e expiration of 3 months from the date of rity date, whichever expires later.		
3. For further details, see notes to Form	PCT/ISA/220.				
Name and mailing address of the ISA/ US	Date of complet	ion of this	Authorized officer Phareia for freeze		
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	opinion		Stephone B. Allen		
P.O. Box 1450 Alexandria, Virginia 22313-1450		8.07.2006)	Telephone No. 571-272-2434		

Facsimile No. (571) 273-3201
Form PCT/ISA/237 (cover sheet) (April 2005)



## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.	
PCT/US05/09383	

Box No. I Basis of this opinion
1. With regard to the language, this opinion has been established on the basis of:
the international application in the language in which it was filed
a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
a. type of material
a sequence listing
table(s) related to the sequence listing
b. format of material
on paper
in electronic form
c. time of filing/furnishing
contained in the international application as filed.
filed together with the international application in electronic form.
furnished subsequently to this Authority for the purposes of search.
3. In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in
the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US05/09383

Novelty (N)  Claims 1-31 Claims NONE  Inventive step (IS)  Claims 1-31 Claims NONE  Industrial applicability (IA)  Claims 1-31 Claims 1-31 Claims NONE	Statement			
Inventive step (IS)  Claims 1-31  Claims NONE  Claims NONE  Industrial applicability (IA)  Claims 1-31  Claims 1-31  Claims NONE  Claims NONE  NO  Claims NONE	Novelty (N)	Claims	1-31	YI
Claims NONE NO  Industrial applicability (IA) Claims 1-31 YE Claims NONE NO  Citations and explanations:				
Claims NONE NO  Industrial applicability (IA) Claims 1-31 YE Claims NONE NO  Citations and explanations:	Inventive step (IS)	Claims	1 21	Yī
Claims NONE NO	inventive step (13)			·
Claims NONE NO				
Citations and explanations:	Industrial applicability (IA)			
		Ciainis	NONE	
ng a component of momentum oriented substantially perpendicular to a detector surface.	ng a component of momentum oriented substan	ntially perpendic	ular to a detector surface.	
ig a component of monocham of one and a community perpendicular to a control of the component of the compone				
ig a component of momentum offende succession, perpendicular to a control of the succession of the suc				
ig a component of momentum offened substantially perpendicular to a control of momentum of momentum of momentum of momentum of the control of				
ig a component of momentum only and successfully perpendicular to a control of the successful of the s				
ig a component of momentum only and outside the properties of a control of the co				
ig a component of moment of one of our of the control of the contr				
ig a component of moment of one of our of the control of the contr				
ig a component of momental occordance of properties and a control of momental occordance of the control of the control occordance occo				
ig a component of momentum official successionally properties to a control of momentum of momentum of the control of the contr				
ig a component of momental occurrency properties to a construction of the				
is a component of monetation of contract values and the contract of the contra				
ig a component of montenant choice successions of properties of a component of montenant of the component of				
g a component of montanear secondary perpendicular to the control of the control				

Form PCT/ISA/237 (Box No. V) (April 2005)